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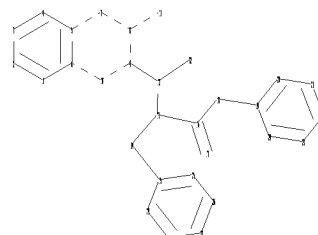
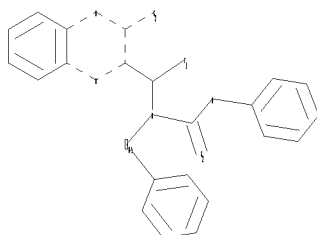
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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 02	STN pricing information for 2008 now available
NEWS	3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	5	JAN 28	MARPAT searching enhanced
NEWS	6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	9	FEB 08	STN Express, Version 8.3, now available
NEWS	10	FEB 20	PCI now available as a replacement to DPCI
NEWS	11	FEB 25	IFIREF reloaded with enhancements
NEWS	12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS	14	MAR 31	IFICDB, IFIPAT, and IFIUIDB enhanced with new custom IPC display formats
NEWS	15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	16	MAR 31	CA/CAPLUS and CASREACT patent number format for U.S. applications updated
NEWS	17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	23	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS	24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	26	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	27	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	28	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	29	JUN 25	CA/CAPLUS and USPAT databases updated with IPC reclassification data
NEWS	30	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS	31	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated



```

chain nodes :
11 12 13 14 16 17 18 32
ring nodes :
1 2 3 4 5 6 7 8 9 10 15 19 20 21 22 23 24 25 26 27 28 29
chain bonds :
8-11 9-12 12-13 12-32 13-14 13-16 14-15 16-17 16-18 18-19
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 15-25 15-29 19-20 19-24
20-21 21-22 22-23 23-24 25-26 26-27 27-28 28-29
exact/norm bonds :
5-7 6-10 7-8 8-9 8-11 9-10 12-13 12-32 13-14 13-16 16-17 16-18 18-19
exact bonds :
9-12 14-15
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 15-25 15-29 19-20 19-24 20-21 21-22 22-23
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isolated ring systems :
containing 15 : 19 :

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G1:H,Cb,Ak

G2:O,S

Match level :

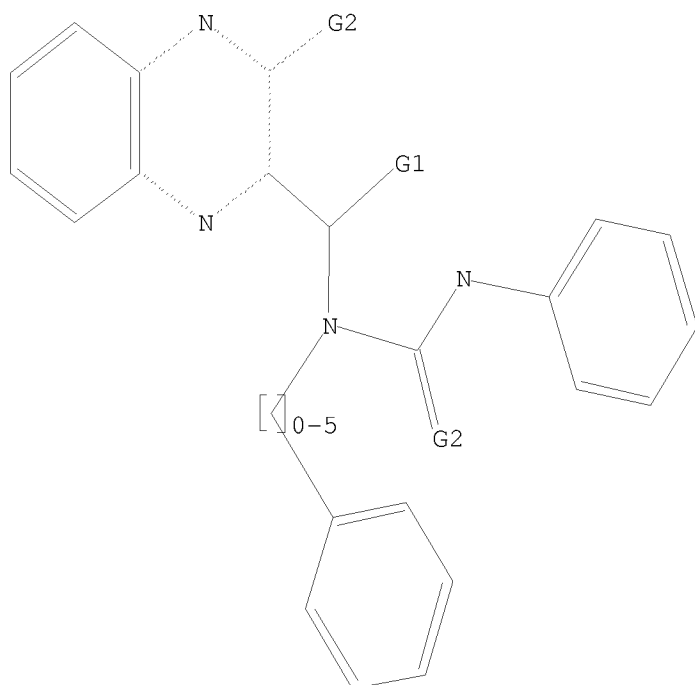
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11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:Atom 16:CLASS 17:CLASS 18:CLASS
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom
28:Atom 29:Atom 32:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 H,Cb,Ak

G2 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 11:44:56 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

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28 ANSWERS

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L3 28 SEA SSS FUL L1

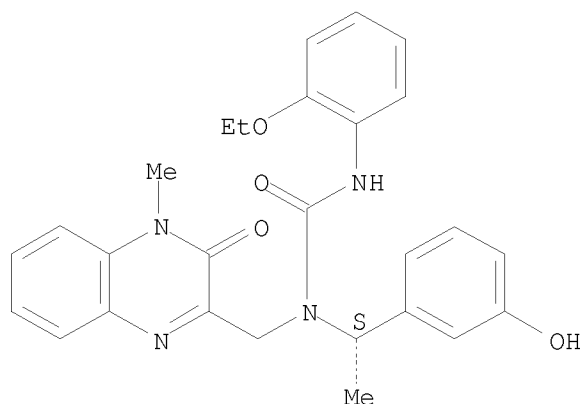
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L3 28 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN Urea, N-[(3,4-dihydro-4-methyl-3-oxo-2-quinoxaliny)methyl]-N'-(2-ethoxyphenyl)-N-[(1S)-1-(3-hydroxyphenyl)ethyl]-

MF C27 H28 N4 O4

Absolute stereochemistry.



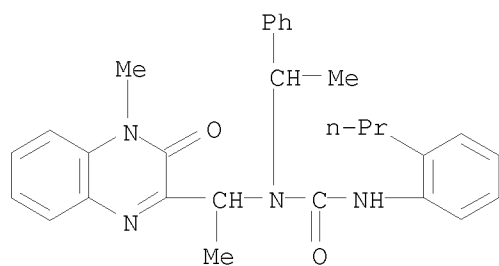
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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L3 28 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN Urea, N-[1-(3,4-dihydro-4-methyl-3-oxo-2-quinoxaliny)ethyl]-N-(1-phenylethyl)-N'-(2-propylphenyl)-

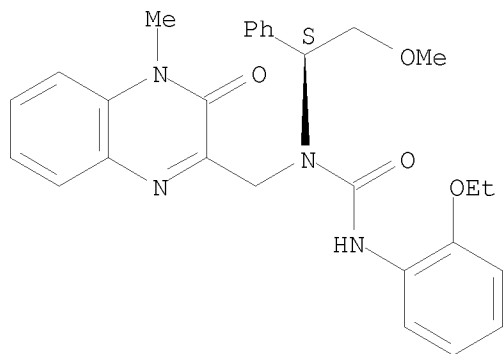
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L3 28 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Urea, N-[(3,4-dihydro-4-methyl-3-oxo-2-quinoxaliny1)methyl]-N'-(2-ethoxyphenyl)-N-[(1S)-2-methoxy-1-phenylethyl]-
MF C28 H30 N4 O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

179.28

179.49

FILE 'CAPLUS' ENTERED AT 11:46:03 ON 03 JUL 2008

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FILE COVERS 1907 - 3 Jul 2008 VOL 149 ISS 1

FILE LAST UPDATED: 2 Jul 2008 (20080702/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s 13

L4 1 L3

=> d 14 ibib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:965230 CAPLUS

DOCUMENT NUMBER: 141:410961

TITLE: Preparation of quinoxalinone derivatives as orexin receptor antagonists

INVENTOR(S): Aissaoui, Hamed; Clozel, Martine; Weller, Thomas; Koberstein, Ralf; Sifferlen, Thierry

PATENT ASSIGNEE(S): Actelion Pharmaceuticals Ltd., Switz.; Fischli, Walter

SOURCE: PCT Int. Appl., 55 pp.

CODEN: PIXXD2

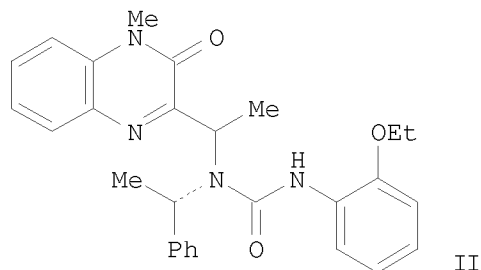
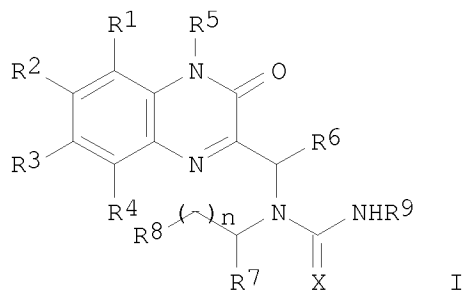
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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CA 2520839	A1	20041111	CA 2004-2520839	20040426
EP 1620409	A1	20060201	EP 2004-729421	20040426
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CN 1780820	A	20060531	CN 2004-80011209	20040426
JP 2007523846	T	20070823	JP 2006-505263	20040426
AT 383345	T	20080115	AT 2004-729421	20040426
ES 2297413	T3	20080501	ES 2004-729421	20040426
JP 2006052181	A	20060223	JP 2004-235924	20040813
US 20070027157	A1	20070201	US 2005-555061	20051028
PRIORITY APPLN. INFO.:			WO 2003-EP4491	A 20030428
			WO 2004-EP4374	W 20040426
OTHER SOURCE(S):	MARPAT	141:410961		
GI				



AB Title compds. represented by the formula I [wherein R1-R4 = independently cyano, halo, OH, alkyl, etc.; R5 = H, (cyclo)alkyl, alkenyl, etc.; R6 = H, (cyclo)alkyl, cycloalkylalkyl; R7 = H, alkyl, alkenyl, (un)substituted Ph, etc.; R8 = (un)substituted Ph or pyridinyl; R9 = (cyclo)alkyl, alkenyl, cycloalkylalkyl, (un)substituted phenylalkyl, etc; X = O, NH, N-CH; n = 0-3; and their optically pure or mixture of enantiomers/diastereoisomers, pharmaceutically acceptable salts thereof] were prepared as orexin (OX) receptor antagonists. For example, II was given in a multi-step synthesis starting from the reaction of N-methyl-1,2-phenylenediamine with pyruvic acid. I showed an average antagonistic activity of OX1 and OX2 receptor with IC50 values of 1 nM to 100 nM. Thus, I and their pharmaceutical compns. are useful as orexin receptor antagonists for the treatment of disorders which are associated with the role of orexin, comprising eating disorders and sleep disorders, cardiovascular disorders, cancer, pain, depression, schizophrenia or neurodegenerative disorders (no data).

IT 791068-12-7P 791068-13-8P 791068-14-9P

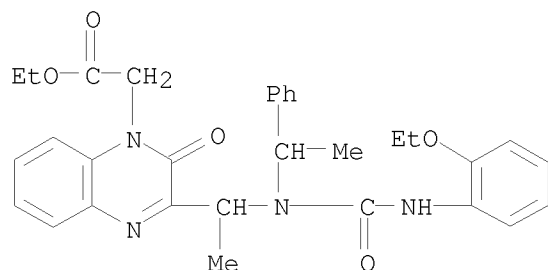
791068-15-0P 791068-16-1P 791068-17-2P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

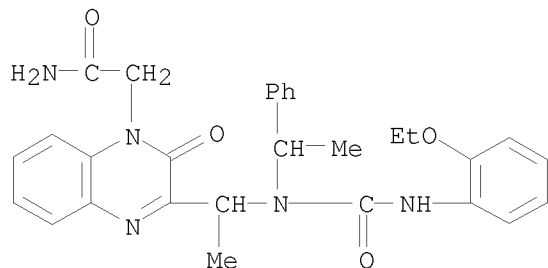
(preparation of quinoxalinone derivs. as orexin receptor antagonists)

RN 791068-12-7 CAPLUS

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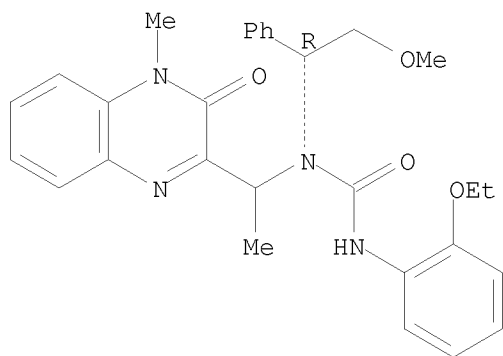


RN 791068-13-8 CAPLUS
 CN 1(2H)-Quinoxalineacetamide, 3-[1-[[[(2-ethoxyphenyl)amino]carbonyl](1-phenylethyl)amino]ethyl]-2-oxo- (CA INDEX NAME)



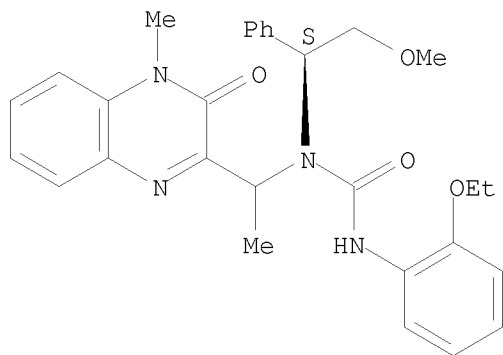
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 CN Urea, N-[1-(3,4-dihydro-4-methyl-3-oxo-2-quinoxaliny)ethyl]-N'-(2-ethoxyphenyl)-N-[(1R)-2-methoxy-1-phenylethyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 791068-15-0 CAPLUS
 CN Urea, N-[1-(3,4-dihydro-4-methyl-3-oxo-2-quinoxaliny)ethyl]-N'-(2-ethoxyphenyl)-N-[(1S)-2-methoxy-1-phenylethyl]- (CA INDEX NAME)

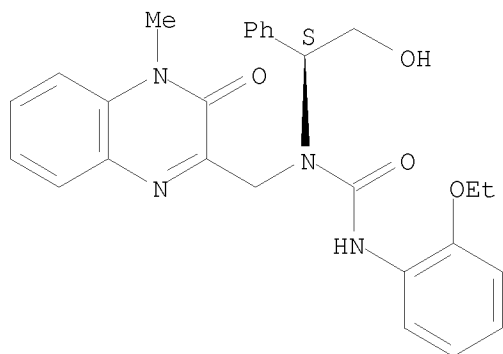
Absolute stereochemistry.



RN 791068-16-1 CAPLUS
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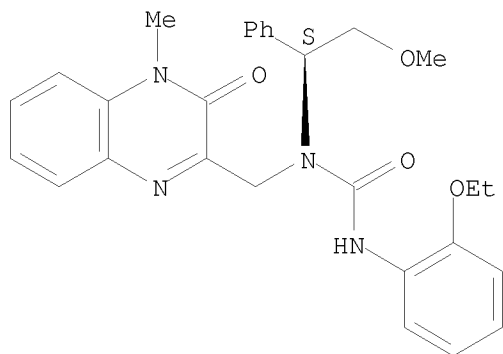
Absolute stereochemistry.



RN 791068-17-2 CAPLUS

CN Urea, N-[(3,4-dihydro-4-methyl-3-oxo-2-quinoxalinylyl)methyl]-N'-(2-ethoxyphenyl)-N-[(1S)-2-methoxy-1-phenylethyl]- (CA INDEX NAME)

Absolute stereochemistry.



IT 791068-03-6P 791068-04-7P 791068-05-8P

791068-06-9P 791068-07-0P 791068-08-1P

791068-09-2P 791068-11-6P 791068-18-3P

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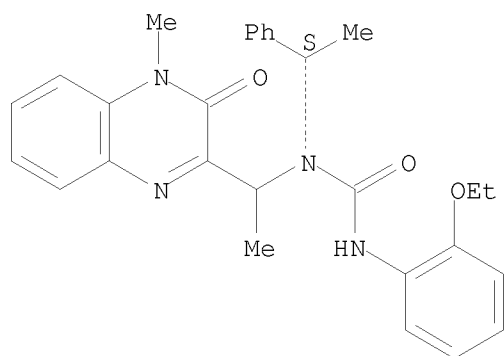
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of quinoxalinone derivs. as orexin receptor antagonists)

RN 791068-03-6 CAPLUS

CN Urea, N-[1-(3,4-dihydro-4-methyl-3-oxo-2-quinoxalinylyl)ethyl]-N'-(2-ethoxyphenyl)-N-[(1S)-1-phenylethyl]- (CA INDEX NAME)

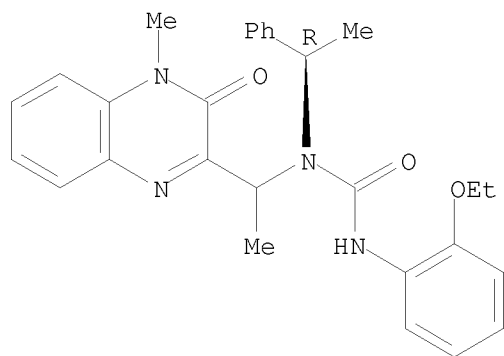
Absolute stereochemistry.



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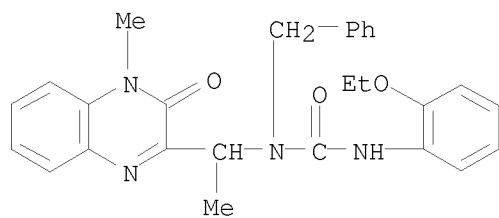
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Absolute stereochemistry.



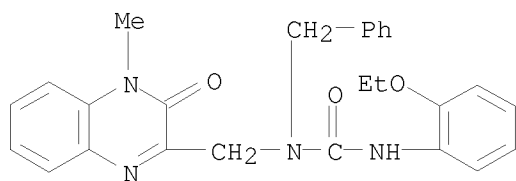
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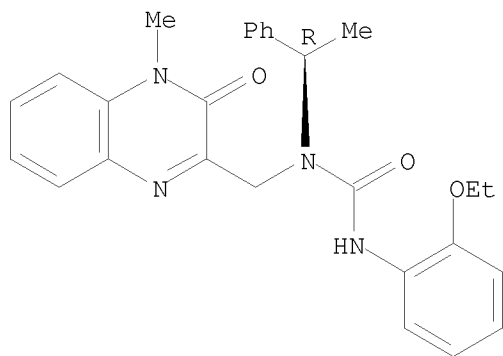
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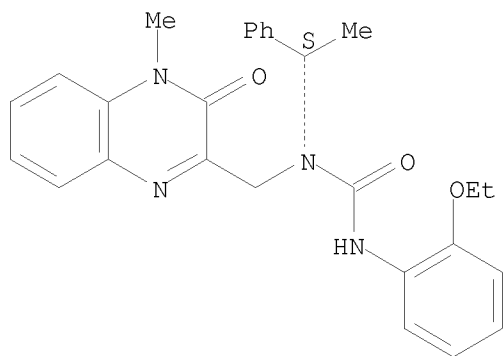
Absolute stereochemistry.



RN 791068-08-1 CAPLUS

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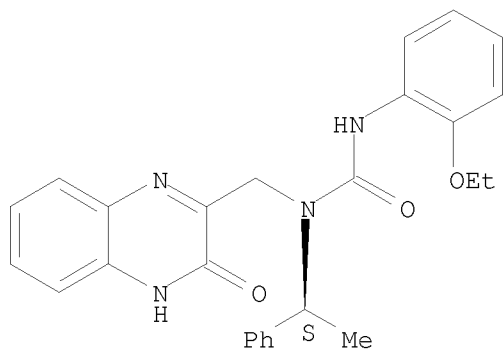
Absolute stereochemistry.



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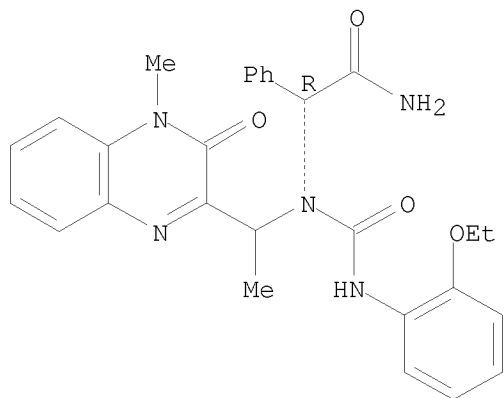
CN Urea, N-[(3,4-dihydro-3-oxo-2-quinoxaliny)methyl]-N'-(2-ethoxyphenyl)-N-[(1S)-1-phenylethyl]- (CA INDEX NAME)

Absolute stereochemistry.



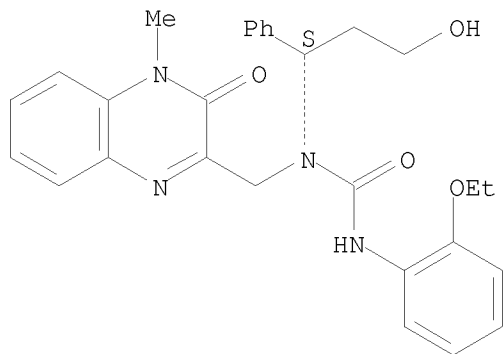
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 CN Benzeneacetamide, α -[[1-(3,4-dihydro-4-methyl-3-oxo-2-quinoxaliny)ethyl][[(2-ethoxyphenyl)amino]carbonyl]amino]-, (α R)-
 (CA INDEX NAME)

Absolute stereochemistry.



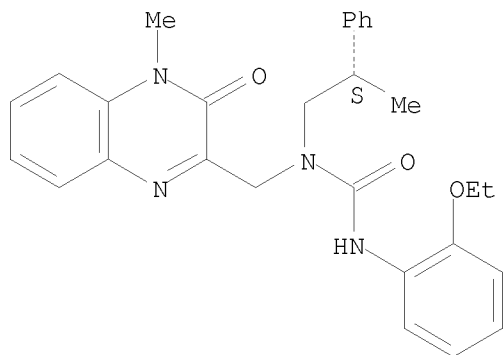
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Absolute stereochemistry.

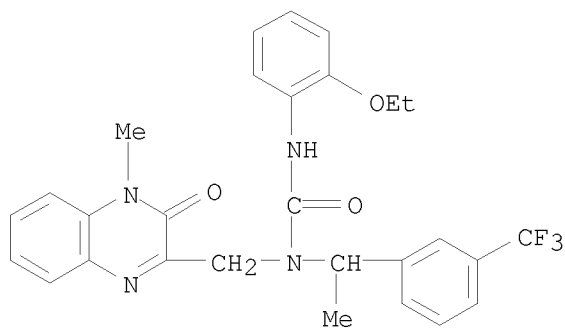


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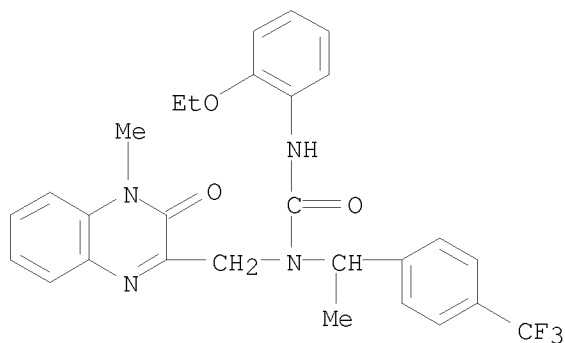
Absolute stereochemistry.



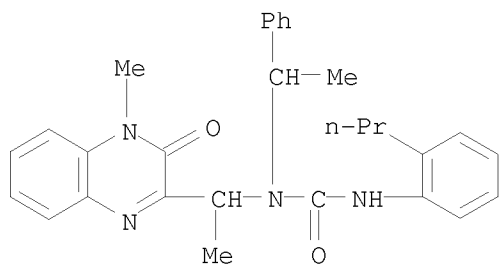
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 CN Urea, N-[(3,4-dihydro-4-methyl-3-oxo-2-quinoxaliny)methyl]-N'-(2-ethoxyphenyl)-N-[1-[3-(trifluoromethyl)phenyl]ethyl]- (CA INDEX NAME)



RN 791068-21-8 CAPLUS
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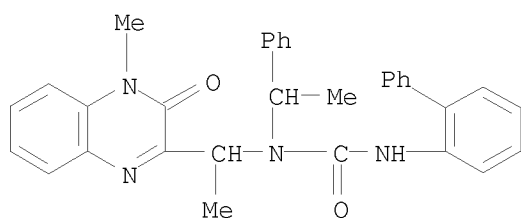


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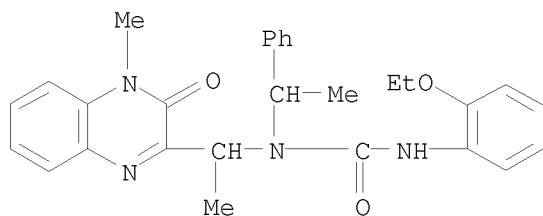
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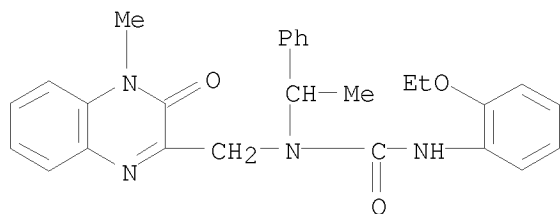
RN 791068-25-2 CAPLUS

CN Urea, N-[1-(3,4-dihydro-4-methyl-3-oxo-2-quinoxalinyloxy)ethyl]-N'-(2-ethoxyphenyl)-N-(1-phenylethyl)- (CA INDEX NAME)



RN 791068-26-3 CAPLUS

CN Urea, N-[(3,4-dihydro-4-methyl-3-oxo-2-quinoxalinyloxy)methyl]-N'-(2-ethoxyphenyl)-N-(1-phenylethyl)- (CA INDEX NAME)



REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FULL ESTIMATED COST	ENTRY	SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
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SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:47:08 ON 03 JUL 2008

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SESSION RESUMED IN FILE 'CAPLUS' AT 11:49:30 ON 03 JUL 2008
FILE 'CAPLUS' ENTERED AT 11:49:30 ON 03 JUL 2008
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	6.41	185.90
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-0.80	-0.80

=> file registry

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	6.41	185.90
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-0.80	-0.80

FILE 'REGISTRY' ENTERED AT 11:49:38 ON 03 JUL 2008
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 2 JUL 2008 HIGHEST RN 1032450-11-5
DICTIONARY FILE UPDATES: 2 JUL 2008 HIGHEST RN 1032450-11-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

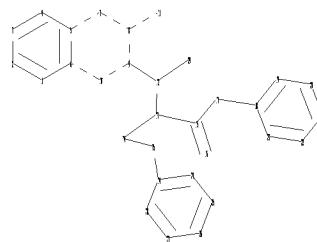
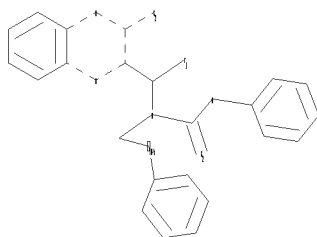
REGISTRY includes numerically searchable data for experimental and

predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10 series\10555061\10555061b.str



```

chain nodes :
11 12 13 15 16 17 29 34 35
ring nodes :
1 2 3 4 5 6 7 8 9 10 14 18 19 20 21 22 23 24 25 26 27 28
chain bonds :
8-11 9-12 12-13 12-29 13-15 13-34 14-35 15-16 15-17 17-18 34-35
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 14-28 14-24 18-19 18-23
19-20 20-21 21-22 22-23 24-25 25-26 26-27 27-28
exact/norm bonds :
5-7 6-10 7-8 8-9 8-11 9-10 12-13 12-29 13-15 13-34 15-16 15-17 17-18
exact bonds :
9-12 14-35 34-35
normalized bonds :

```

1-2 1-6 2-3 3-4 4-5 5-6 14-28 14-24 18-19 18-23 19-20 20-21 21-22
22-23 24-25 25-26 26-27 27-28
isolated ring systems :
containing 14 : 18 :

G1:H,Cb,Ak

G2:O,S

Match level :

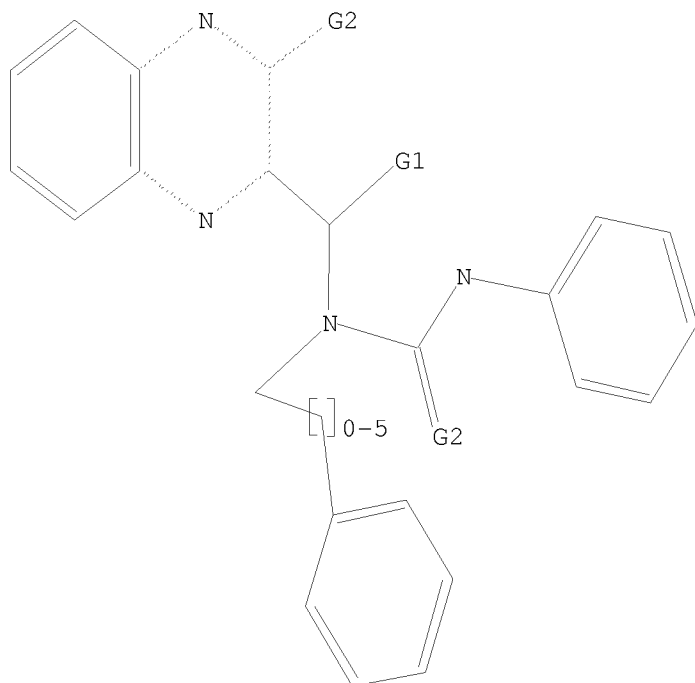
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:CLASS 12:CLASS 13:CLASS 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:Atom
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom
28:Atom 29:CLASS 34:CLASS 35:CLASS

L5 STRUCTURE UPLOADED

=> d 15

L5 HAS NO ANSWERS

L5 STR



G1 H,Cb,Ak

G2 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s 15

SAMPLE SEARCH INITIATED 11:50:00 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED

0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> s 15 full

FULL SEARCH INITIATED 11:50:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 29 TO ITERATE

100.0% PROCESSED 29 ITERATIONS 28 ANSWERS
SEARCH TIME: 00.00.01

L7 28 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	178.36	364.26
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.80

FILE 'CAPLUS' ENTERED AT 11:50:29 ON 03 JUL 2008
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FILE COVERS 1907 - 3 Jul 2008 VOL 149 ISS 1
FILE LAST UPDATED: 2 Jul 2008 (20080702/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s 17

L8 1 L7

=> d 18

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:965230 CAPLUS
DN 141:410961

TI Preparation of quinoxalinone derivatives as orexin receptor antagonists
 IN Aissaoui, Hamed; Clozel, Martine; Weller, Thomas; Koberstein, Ralf;
 Sifferlen, Thierry
 PA Actelion Pharmaceuticals Ltd., Switz.; Fischli, Walter
 SO PCT Int. Appl., 55 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004096780	A1	20041111	WO 2004-EP4374	20040426
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2520839	A1	20041111	CA 2004-2520839	20040426
	EP 1620409	A1	20060201	EP 2004-729421	20040426
	EP 1620409	B1	20080109		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	CN 1780820	A	20060531	CN 2004-80011209	20040426
	JP 2007523846	T	20070823	JP 2006-505263	20040426
	AT 383345	T	20080115	AT 2004-729421	20040426
	ES 2297413	T3	20080501	ES 2004-729421	20040426
	JP 2006052181	A	20060223	JP 2004-235924	20040813
	US 20070027157	A1	20070201	US 2005-555061	20051028
PRAI	WO 2003-EP4491	A	20030428		
	WO 2004-EP4374	W	20040426		

OS MARPAT 141:410961

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.69	365.95
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.80

SESSION WILL BE HELD FOR 120 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 11:50:41 ON 03 JUL 2008